

## ABSTRACT

A pharmaceutical composition for treating or preventing cytopathy caused by ischemia, comprising a midkine family protein as an active ingredient, and a pharmaceutical composition for treating or preventing ischemic disorders, comprising a midkine family protein as an active ingredient, are provided. Midkine is efficacious in treating or preventing ischemic disorders and cytopathy caused by ischemia and can remarkably prevent, for example, the development of cerebral infarction, a representative of ischemic brain disorders. The pharmaceutical composition of the present invention is also efficacious against, for example, cerebral ischemic disorders such as cerebrovascular spasm following a subarachnoid hemorrhage, Alzheimer's disease, senile dementia of Alzheimer's type, and cerebrovascular senile dementia, as well as cerebral ischemia, transient cerebral ischemic disease, and head trauma, and other cerebrovascular diseases such as Parkinson's disease, Huntington's chorea, and amyotrophic regressive disorders.